

ABSTRACT OF THE DISCLOSURE

A multiport amplifying apparatus according to the present invention implements each of individual hybrids, which make up an input hybrid network, with a digital quadrature baseband 90-degree hybrid circuit, and can therefore
5 eliminate a gain deviation and phase deviation among lines in the input hybrid network. Consequently, gain deviation and phase deviation values among the lines, required to the overall apparatus, can be distributed only to amplifiers and an output RF-band hybrid network, thus facilitating optimal
10 designing. Further, the input hybrid network can be largely reduced in size and cost because it processes signals in a digital quadrature baseband signal domain.